

Ground Water Source Testing Schedule



Test		Frequency	PWS Class A	Class B	This summary does not replace the current drinking water regulations.
TCR					
Sanitary Survey	Every 5 Years	💧	💧	Sanitary surveys must be performed by DEC staff or a DEC-approved third party sanitary surveyor.	
Total Coliform Bacteria	Every Month	💧		If the water system serves more than 1,000 people per day, see 18 AAC 80.405, Table D for the increased number of tests required.	
	Every Quarter		💧		
Nitrate	Annually	💧	💧	If nitrate test result exceeds 5.0 mg/l, begin testing quarterly. Contact ADEC to discuss how long quarterly sampling is required.	
Nitrite	One Sample on Record	💧	💧	Only a single Nitrite test required if the results are below 0.5 mg/l. Otherwise, repeat quarterly for one year. Contact ADEC to discuss how long quarterly sampling is required.	
Inorganic Chemicals					
7 Old Inorganics (Phase II)	Every Period or Cycle*	💧		Arsenic, Barium, Cadmium, Chromium, Fluoride, Mercury, Selenium. After three test results are below the MCLs, a waiver is available to reduce sampling frequency from once per period to once per cycle*. (At least one of the three tests must be since 1990.)	
5 New Inorganics (Phase V)	Every Period or Cycle*	💧		Antimony, Beryllium, Cyanide, Nickel, Thallium. After three sample results are below the MCL, a waiver is available to reduce sampling frequency from one sample per period to one sample per cycle*. (At least one of the three tests must be since 1990.)	
Asbestos	Once per Cycle* (unless waived)	💧		No Asbestos sampling is required if a waiver is approved. New Systems contact DEC for requirements.	
Lead and Copper	Every 6 months	💧		The number of lead/copper samples is based on population. See 18 AAC 80.545, Table E. After 90th percentile test results from two consecutive six months are below the Action Levels, annual sampling is allowed. After two additional years of test results below action level, sample once every three years.	
	Annually	💧			
	Every 3 Years	💧			
Organic					
Pesticides (SOCS), & Other Organics	Every Quarter (unless waived)	💧		No SOC sampling is required if a waiver is approved. If waiver is denied, four quarters of testing required each compliance period. Contact DEC for more information.	
Volatile Organic Chemicals (VOCs)	Every Quarter	💧		After four quarterly tests detect no regulated compound over 0.5 ug/l, sample annually. After three years of tests detect no volatile organic chemicals, a groundwater system can sample once per period*.	
	Annually	💧			
	Every Period*	💧			
Total Trihalomethanes	Every Quarter	💧		Only systems using chlorine for disinfection and serving more than 10,000 people (see 40 CFR 141.30 as amended through August 15, 1989 for details). Groundwater systems may request a reduction on monitoring. Contact ADEC.	
Rads					
Gross Alpha Radioactivity	Every 4 years	💧		First time compliance is based on either the test result from the composite of four consecutive quarterly samples, or on the average of the test results from four samples <u>taken</u> at consecutive quarterly intervals. Test one sample every 4 years thereafter.	
Reporting					
Fluoride	Daily	💧	💧	Fluoride sampling is required if fluoride is added to water. Testing is required every day fluoride is added to water. Report test results monthly. Fill-and-draw systems test fluoride daily while it is being added, and weekly after it has been added.	
Entry Point Chlorine	Daily	💧	💧	If chlorine is added, test and record daily.	
Consumer Confidence Report	Annually	💧		Community Water Systems (CWS) distribute to ADEC and deliver to all customers by July 1 for the previous year. A CWS serves at least 25 residents or 15 residential service connections year round.	

Surface Water Source Testing Schedule



Test		Frequency	PWS Class		This summary does not replace the current drinking water regulations.	
				A		B
TCR						
Sanitary Survey	Every 5 Years	💧	💧	Sanitary surveys must be performed by DEC staff or a DEC-approved third party sanitary surveyor.		
Total Coliform Bacteria	Every Month	💧	💧	If the water system serves more than 1,000 people per day, see 18 AAC 80.405, Table D for the increased number of tests required.		
Nitrate	Every Quarter	💧		New Class A systems test quarterly for at least four quarters. Reduced monitoring to annual sampling may be granted if all test results are below 5.0 mg/l. If nitrate test result exceeds 5.0 mg/l, continue quarterly. Contact ADEC to discuss how long quarterly sampling is required.		
	Annually	💧	💧			
Nitrite	One sample on record	💧	💧	Only a single Nitrite test required if results are below 0.5 mg/l. Otherwise, repeat quarterly for one year. Contact ADEC to discuss how long quarterly sampling is required.		
Inorganic Chemicals						
7 Old Inorganics (Phase II)	Annually	💧		Arsenic, Barium, Cadmium, Chromium, Fluoride, Mercury, Selenium. After three test results are below the MCLs, a waiver is available to reduce sampling frequency from once per year to once per cycle*. (At least one of the three tests must be since 1990.)		
	Once per cycle*	💧				
5 New Inorganics (Phase V)	Annually	💧		Antimony, Beryllium, Cyanide, Nickel, Thallium. After three sample results are below the MCL, a waiver is available to reduce sampling frequency from one sample per year to one sample per cycle*. (At least one of the three tests must be since 1990.)		
	Once per cycle*	💧				
Asbestos	Once per cycle* (unless waived)	💧		No Asbestos sampling is required if a waiver is approved. New systems contact DEC for requirements.		
Lead and Copper	Every 6 months	💧		The number of lead/copper samples is based on population. See 18 AAC 80.545, Table E. After 90th percentile test results from two consecutive six months are below the Action Levels, annual sampling is allowed. After two additional years of test results below the action level, sample once every three years.		
	Annually	💧				
	Every 3 Years	💧				
Organic						
Pesticides (SOCs), & Other Organics	Every Quarter (unless waived)	💧		No SOC sampling is required if a waiver is approved. If waiver is denied, four quarterly samples are required each compliance period. Contact DEC for more information.		
Volatile Organic Chemicals (VOCs)	Every Quarter	💧		After four quarterly tests detecting no regulated compound over 0.5 ug/l, sample annually.		
	Annually	💧				
Total Trihalomethanes	Every Quarter	💧		Only systems using chlorine for disinfection and serving more than 10,000 people (see 40 CFR 141.30 as amended through August 15, 1989 for details).		
Rads						
Gross Alpha Radioactivity	Every 4 years	💧		First time compliance is based on either the test result from the composite of four consecutive quarterly samples, or on the average of the test results from four samples taken at consecutive quarterly intervals. Test one sample every 4 years thereafter.		
Reporting						
Monthly operator reports are due by the 10th of month.						
Fluoride	Daily	💧		Fluoride sampling is required if fluoride is added to water. Testing is required every day fluoride is added to water. Report test results monthly. Fill-and-draw systems test fluoride daily while it is being added, and weekly after it has been added.		
Turbidity	Continuously or every 4 hours	💧	💧	Fill and draw systems measure while water is being filtered. All other systems measure daily at frequency determined by population and filtration type (see 18 AAC 80.660/80.665). Contact DEC for your requirements. Report test results monthly. Telephone DEC if turbidity limits are exceeded.		
Entry Point Chlorine	Continuously or daily grab samples	💧	💧	Population determines how many times a day chlorine is measured (See 18 AAC 80.655) Report results monthly. Telephone DEC if entry point chlorine drops below 0.2 mg/l for 4 or more hours.		
Distribution System Chlorine	Every month	💧	💧	Distribution point chlorine testing is required at the same time and location as total coliform samples are collected. Report test results monthly on operator report.		
Consumer Confidence Report	Every Year	💧		Community Water Systems (CWS) distribute to DEC and deliver to all customers by July 1 for the previous year. A CWS serves at least 25 residents or 15 residential service connections year round.		